

Abstract

Transmission system

The present invention provides a transmission system having a signal source which has an internal resistance, having a signal transmission line (102), one end of which is connected to the signal source, and having a terminating resistance which is connected to another end of the signal transmission line (102), the internal resistance of the signal source and the terminating resistance being complex and being chosen such that frequency-dependent signal attenuation in the transmission system is reduced in a frequency range which contains the frequencies of signals which are produced by the signal source.

Figure 1

List of references:

102	Signal transmission line
104	Transformer
106	Transformer
108	Ideal voltage source
110	Internal resistance
112	Terminating resistance
114	Real resistance
116	Inductance
118	Capacitance
120	Inductance